

Giovanni-3 Evolution to Giovanni-4

- Why? Cost and budget climate...
 - Cost of maintenance is too high
 - Cost of improving G3 is too high
 - Cost of adding major features is prohibitive
 - E.g., Access to data in databases (MAPSS)
 - Handling Level 2 data

Key G4 Goal

- Reduce cost / time to add features requested by the community
 - Work through some of the feature backlog
- Run faster!

Likely Feature List

1. *Retain G3 services, datasets and capabilities*
2. Save and share results (GSocial)
3. iPad Apps*
4. Multiple temporal resolutions in the same portal
5. Interactive visualization*
 - Linked scatterplot + map
 - Zoom, pan, add overlays on maps
6. Multi-variable scatterplots

*Summer Intern projects

Current G3 Performance...



<http://gdata1.sci.gsfc.nasa.gov>

The date range you entered covers more than one year, but at least one parameter in your query has a small time interval (i.e., it is repeated daily, hourly, minutely, etc.). This could result in a great many data being returned in the query (and could take more than a few minutes). Are you sure you want to submit this large query?

Cancel

OK

for > 1 year of
MODIS Daily AOD



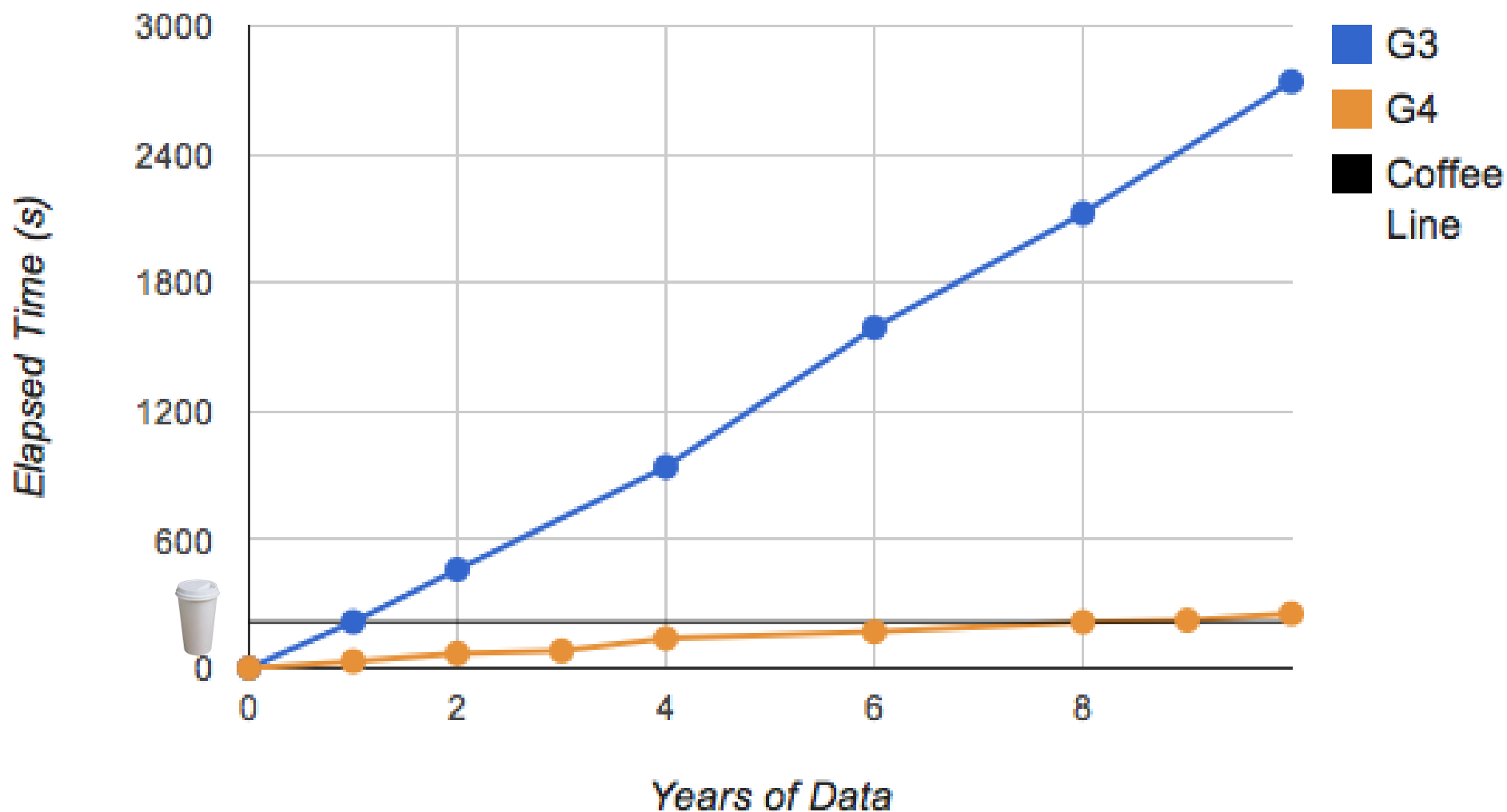
<http://gdata1.sci.gsfc.nasa.gov>

Ok. Go grab some coffee.

OK

Initial G3-G4 Performance Tests

G3-G4 Comparison: Area-averaged Time Series



G4 Status

- Basic architecture still undergoing some development
- First alpha release to community ~July
 - Focus on Level 3 Aerosol Optical Depth
 - Most oft-used services
 - Time-averaged Lat-Lon map
 - Area-averaged Time Series
 - Scatterplot
 - Seeking alpha testers!
 - Mail to chris.lynnes@nasa.gov
- *G3 will remain available until all functionality can be migrated to G4*